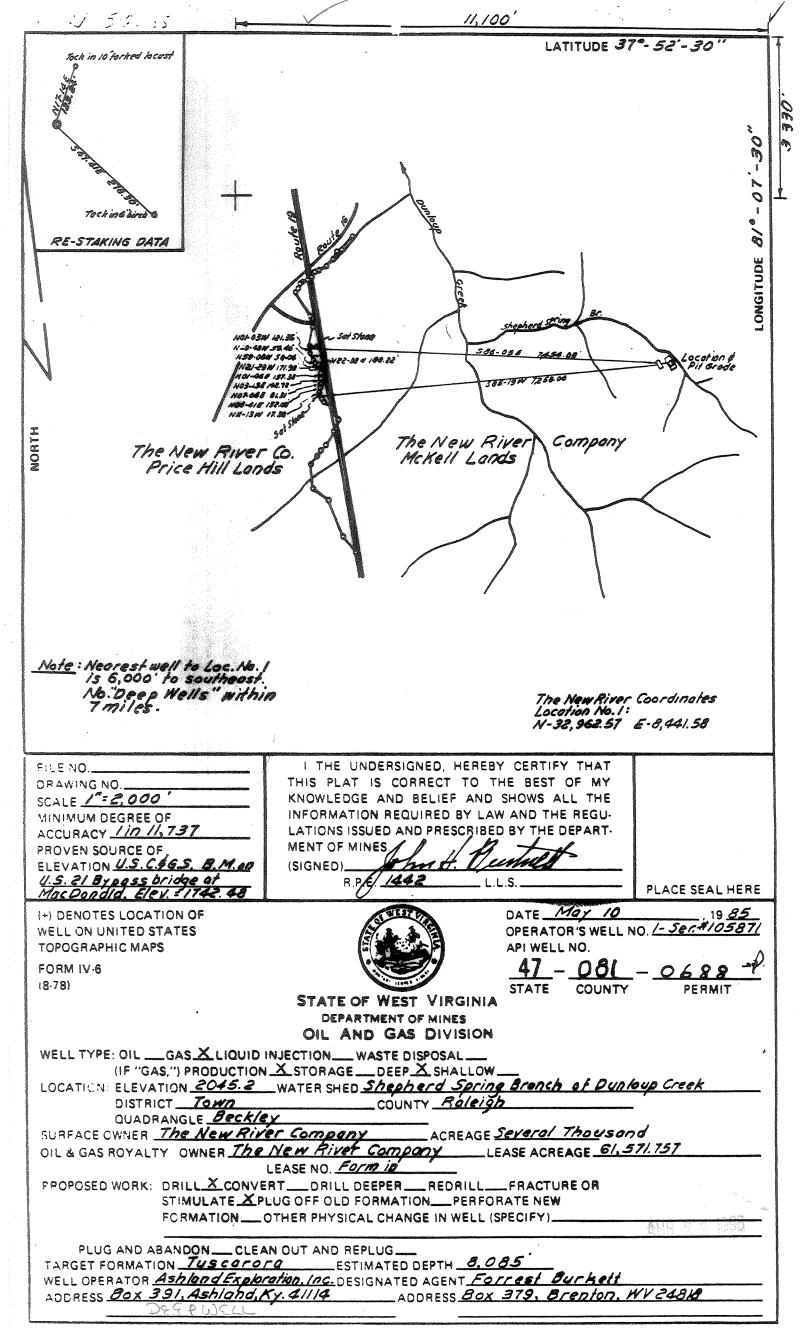
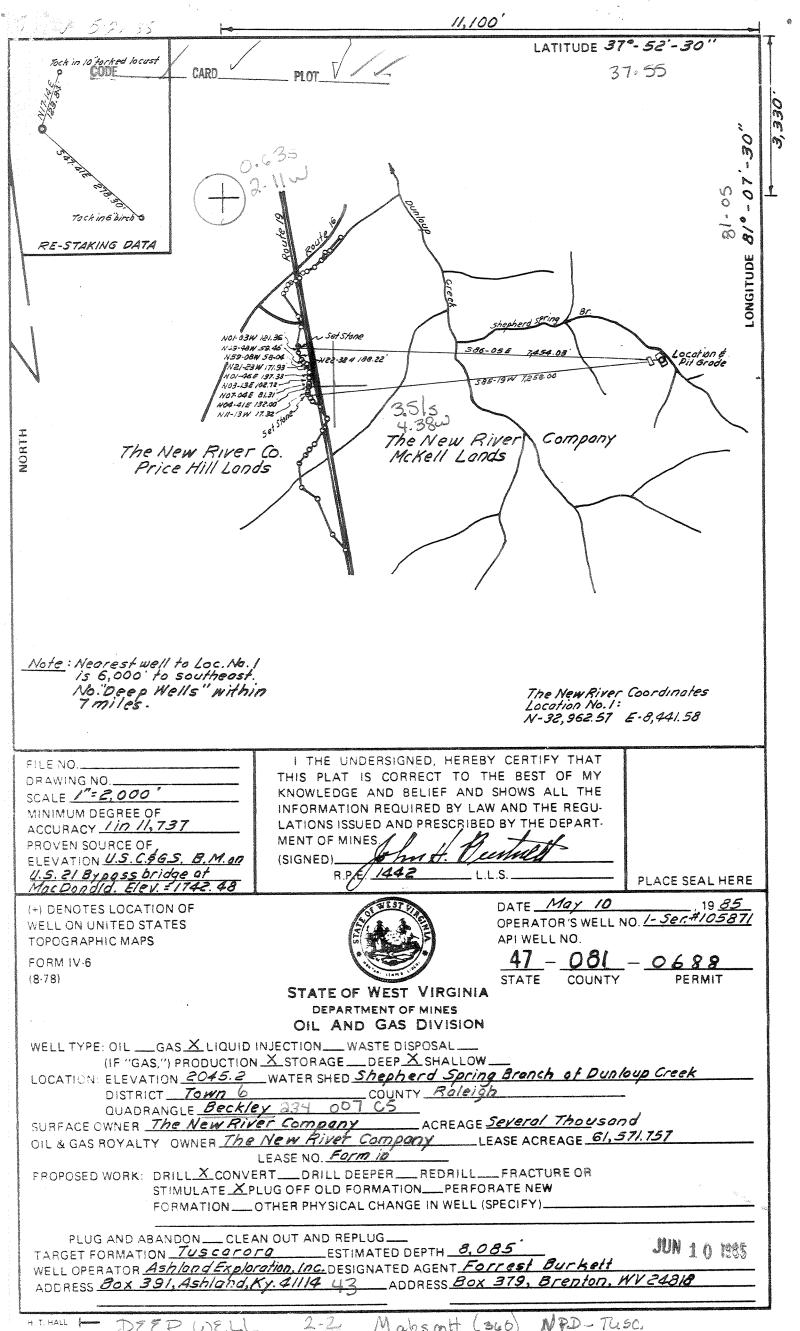


J369339







IV-35 (Rev 8-81)

State of Mest Nirginia

Bepartment of Mines Gil und Gas Pivision

Date	Oct	ober	22,	1985					
Operator's									
Well	No.	1							
Farm		Rive) .					
ADT N	h.		01	= 000	0				

WELL OPERATOR'S REPORT

of

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 2045.2' Watershed Shep	pherd Spri	ng Branch	of Dunlar	Creek
District: Town County Ralei	gh Ç)uadrangle	Beckley	
COMPANY Ashland Exploration, Inc.	<u> </u>			Cement
ADDRESS P. O. Box 391, Ashland, KY 41114	Casing	Used in		fill up
FSIGNATED AGENT Forrest Burkett	Tubing	Drilling		and the state of t
ADDRESS Box 379 Brenton, WV 24818	Size ²⁰ " 20-16 ¹⁶ "	44' 59'	44' 59'	Driven 100 sks
SURFACE OWNER The New River Co.	Cond.			
ADDRESS Drawer 711, Mt. Hope, WV 25880	13-10"			
MINERAL RIGHTS OWNER The New River Co.	9 5/8	1326'	1326'	400 sks
ADDRESS Drawer 711, Mt. Hope, WV 25880	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK Rodney	7	6853 '	6853 '	160 sks
Dillon ADDRESS Box 30, Scarbro, WV 25917	5 1/2			
PERMIT ISSUED May 20, 1985	4 1/2	8272'	8272'	225 sks
DRILLING COMMENCED June 20, 1985	3			
DRILLING COMPLETED July 28, 1985	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners used			
REWORKING. VERBAL PERMISSION OBTAINED ON	useu			
GEOLOGICAL TARGET FORMATION , Tuscarora		Den	th 8085	· feet
Depth of completed well 8326 feet	Potary Y	/ Cabl	e Tools	AND THE PARTY OF T
Water strata depth: Fresh 59 feet;	To mail	being min	ed in the	area? No
Coal seam depths: Unknown	12 coar	DELLING HOL		
OPEN FLOW DATA				
Producing formation Tuscarora	Pay	zone dep	th 8165-8	206 feet
Gas: Initial open flow show Mcf/d	Oil: Ini	tial oper	flow	Bbl/d
Final open flow 1185 Mcf/d	Fir	nal open f	low	Bb1/d
Time of open flow between init	ial and fi	inal tests	3 h	ours
Static rock pressure 1150 psig(surface	e measuren	ment) afte	er 216 ho	urs shut in
(If applicable due to multiple completion				
Second producing formation		y zone deg	oth	feet
Gas: Initial open flow Mcf/d	Oil: In	itial oper	flow	Bbl/d
Final open flow Mcf/d				
Time of open flow between init				

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perf Tuscarora 10H/8165-8173, 5H/8179-8184, 10H/8196-8206 Acidize w/1000 gal 15% HCl. BD @ 2000#, ATP 2500# @ 16.5 B/M, ISIP 980#. Frac w/30#/Mgal Cross-linked gel, ATP 2680# @ 15.5 B/M, MTP 3330#, ISIP 2650#, N2 assisted w/244,000 SCF N_2 , & 40,000# 20/40 sand. TL&FW 790 bbl., TSLF 525 bbl.

WELL LOG

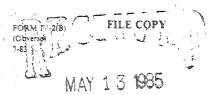
				REMARKS	
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including i	ndication	of all fresh
			and salt wa	ter, coal	, oil and gas
Sand & Shale	0	2075	-		
Little Lime	2075	2160			
Pencil Cave	2160	2205			
Big Lime	2205	2624			
Shale	2624	2792			
Weir .	2792	2815			
Shale	2815	2894			
Weir	2894	2945			
Shale	2945	3210			
Coffee Shale	3210	3228			
Berea	3228	3268			
Devonian Shale	3268	6840	trom nearly	ruell to	this alexan
Onondaga Lime	6840	6906	Constant	3268	this alchoos
Oriskany	6906	6914	Most Arter comme	*	
Lime & Dolomite	6914	7619	hur Hurten	4 2 40	656
Newburg	7619	7636	her Husen. Joura	5 4 90	15'0
Lime & Dolomite	7636	7799	Angola Ruinestreak	5 6 4m	
Keefer	7799	7809	r (Anger Var		550
Rose Hill Shale	7809	8032	KMMEZWEON	24 40	*
Cacapon Shale	8032 8073	8073 8125	Carboque S	hr. 65 40	200
Tuscarora	8125	8218	MARK		
<u>Juniata</u>	8218	TD	GERDALE.	57 GG.	
DTD 83261) - all expl. fortage					
LTD 8320°					
,					
		*	1		

(Attach separate sheets as necessary)

	ASHLAND EXPLORATION, INC.	
	Well Operator	
By:	Sleek S. China	-
Date	October 22, 1985	** ** .

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coul, encountered in the drilling of a well."





)	Date: Ma	y 10			. 19 85
(0	The	New	River	Company

2) Operator's Well No. 1

081 -0688

3) API Well No. State

County Permit

OIL & GAS DIVISION DEPT. OF MINLE

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

4) WELL TYP						/ Undergroup	nd storage	/ Deep <u>X</u>	/ Shallow	Λ
5) LOCATIO								ring Branch of		
5, 200,1110.								Quadrangle: _l		
6) WELL OPE						T		ED AGENT Forres		
						2760	Address			
		Ashla	nd, KY	41	114	270		Brento	on, WV 24818	}
8) OIL & GAS	S INSPEC	TOR TO I	BE NOTIF	TIED		<i>O</i> '	9) DRILLING	CONTRACTOR:		
Name	Rodne	y G. D	illon	************************			NameI	lay Resources I	Orilling Comp	any
Address	P.(Address	2101 Washir	ngton St., Ea	st
	Sca	arbro,	WV 2	<u> 5917</u>		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Charleston	WV 25311	
10) PROPOSE	D WELL V	WORK:	Drill	X	/ Drill	deeper	/ Redrill	/ Stimulate	X/	
,							forate new formati			
			-							
11) GEOLOGI	CAL TAR	GET FOR								
12) Estima						fe	eet			
13) Appro	ximate trat	a depths:	Fresh,			feet;	salt, base @ 1()40feet.		
								the area? Yes	/ NoX	
15) CASING A	ND TUBI	NG PRO	GRAM					•		
CASING OR	I	SPEC	IFICATIONS	;	elizare.	FOOTAG	GE INTERVALS	CEMENT FILL-UP	PACKERS	
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)		
Conductor	16	H-40	65	Х		30	30	Circulate	Kinds	
Fresh water										-
Coal	9 5/8	H-40	32.3	X		1100	1100	Circulate	Sizes	
Intermediate	7	N-80				6725	6725	As Needed		
Production	4 1/2	K-55	<u> </u>	X		8085	8085	As Needed	Depths set	
Tubing				-						
Liners									Perforations:	
									Top B	ottom:
	ľ									
					(OFFICE US	E ONLY			· · · · · · · · · · · · · · · · · · ·
					l	DRILLING	PERMIT			
	47-0	81-068	8						May 30	19 85
Permit number_							***************************************	Da		19 00
This name it say		oli omonot		lloosti	an ahaum	halom is avidan	on of normission ar			laaal
quirements subje	ering the w ect to the c	onditions	or and we contained	herein a	and on the	reverse hereof.	Notification must be	anted to drill in accorda be given to the District O	nce with the pertinen	(Pefer to
No. 8) Prior to t	he constru	ction of ro	ads. locat	ions and	f pits for a	any permitted w	ork in addition, the	e well operator or his co	ntractor shall notify t	he proper
district oil and g	gas inspecto	or 24 hour	s before a	ctual pe	rmitted w	ork has comme	nced.)			
	ork is as d	escribed in	the Notic	e and A	Application	n, plat, and recl	amation plan, subje	ct to any modifications	and conditions specifi	ied on the
reverse hereof.	May	30. 19	87		•	,	33 . 3			
Permit expires	·					unless	well work is commen	ced prior to that date and	prosecuted with due	diligence.
			Т							
Bond:	Agei	nt:	Plat:	Casir	ng	Fee	_			
10	m	NI	2211	m	U 12		7/1			
10	,	- 11	· /W /	1 11		218	V 1 10	egaret)	A bear	
						£			Oil and Gas	
NOTE: Keep o	one conv o	f this pern	nit posted	at the d	lrilling loc	ation.	7	ministrator, Office of	On and Gas	
								<i></i>		File